Science News Index

Vol. 92, Nos. 1-27

July-Dec., 1967 pp. 1-648

A

ABM warhead ... 7, 394
AEC national laboratories ... 518
APS amendment ... 585
ATR, Reactors ... 80
Aardvark ... 499
Abbatt, John D. ... 253
Abell, Jerrold J. ... 458
Abortion laws ... 297
Absolute zero ... 32
Accelerator, Cartoons ... 321
Accelerator, Ions ... 136
Accelerator, Japanese ... 127
Accelerator, 200-400 Bev ... 295, 585
Accelerator, 300 Bev CERN 137, 354, 444
Accelerator magnets ... 549
Accelerators, European ... 34
Accelerators, World's 295, 323
Accidents, Drop in ... 188
Acid-base calculator ... 454
Adams, Michael J. ... 566
Addison's disease, J.F.K. 79
Adelie penguin ... 636
Adenine, Preserves whole blood ... 90
Adenovirus, Cancer ... 376, 446
Adey, W. R. ... 545
Adhesive, Strong ... 302
Adoption, Easing rules ... 143
Aegyptopithecus ... 514
Aflatoxin ... 445
Africa, Eye lesions ... 17
African food survey ... 141
Aftosa fever virus ... 300
Aggression, Inborn ... 419
Aggression, Male hormones ... 542
Aggression, Patterns ... 533
Aggression, TV arouses ... 419
Aggression, Wars ... 583
Aging blood vessels ... 546
Aging sperm cells ... 209
Agranoff, Bernard W. ... 467
Agricola ... 149, 292
Agriculture, Technical aid 8
Air-cushion beds ... 599
Air-cushion vehicles ... 176
Air density ... 290, 383
Air from the sea ... 66
Air pollution, Exhaust gases ... 441, 532
Air pollution, Sunlight ... 332
Air rescue ... 566
Air safety standards ... 344
Air sampler, Portable ... 166
Airline crashes ... 126, 344
Airlines, Nonflyers ... 353
Akahori, Hiroshi ... 26
Akai, Hiromu ... 221
Al-Aish, Matti S. ... 393
Alaska, Gold production 290
Alaska, Water standards 34
Alba, Fernando ... 260
Albatross ... 94
Alcock, G. E. D. ... 81
Alcoholism, Report ... 416
Alcoholism therapy, Finns ... 260
Aldabran wildlife ... 145, 156, 391, 584
Alewives ... 9, 348
Alfalfa aphids, Cigarette smoke ... 90
Alfvén, Hannes ... 475, 561
Algae fauna, Antarctic ... 586
Algebraic axioms, Computer ... 136
Alland, Alexander Jr. ... 512
Allen, M. J. ... 188
Allergy-causing insects ... 305
Alloy-coating ... 66
Alloys, Cold-tested ... 638
Alt, Leslie L. ... 218
Altshuller, A. P. ... 637
Aluminaut schedule ... 246
Aluminum alloy ... 132
Amaldi, Eduardo ... 34, 328
Amantadine ... 228, 446
Ambrus, Julian L. ... 163, 541
American Indian education ... 13
Amino acid HP ... 347
Amino acid sequence ... 151
Amino acids, Rhythm ... 163
Ammunition, Caseless ... 410
Ammunition detection device ... 135
Amoebic parasites, Mexico ... 178
Amphetamines ... 377, 461
Amphicol recalled ... 621
Analgesics ... 90, 163, 445
Anchoring clips ... 214
Ancient apartments ... 106
Andersen, K. Lange ... 587
Anderson, J. E. ... 37
Anderson, L. D. ... 202
Andrus, E. Cowles ... 11
Anechoic chamber ... 83
Animal research, Stanford 188
Animals, Drug testing ... 542
Animals, Emotion ... 533
Animals, IRLS tracking ... 19
Animals, Smoking ... 158
Ansari, N. A. ... 17, 115
Antarctica, Warmer long ago ... 373
Antarctica, Thermal action ... 572
Antarctic research ... 586, 635
Antenna, 440-foot ... 440
Antenna, Underground ... 410
Antennas, STEMS ... 395
Antenna, Submarine link 638
Anthropology review ... 617
Anti-static spray ... 190
Antiballistic-missile system ... 7, 394
Antibiotics, Continued study ... 469
Antibiotics, Disintegrate amoeba ... 347
Antibodies, Sidestepped ... 59
Antibody-antigen reaction 163
Anticholinergics ... 56
Anticonvulsant drugs ... 250
Antigenic molecule, Small ... 59
Antimalarials, U-24 and 729A ... 517
Ant-wasp, Ancient ... 276
Ants, Fungus farmers ... 467
Ants, Move tons of soil ... 515
Apollo applications ... 57
Apollo command module 638
Apollo 4 capsule ... 513
Apollo schedule ... 514
Appearances, Deceiving ... 397
Aquanauts, Liquid air ... 138
Aquanauts, Sealab III ... 40
Aquifers, Mississippi ... 373
Arcelia dwellings ... 106
Arches of Science Award 349
Archimedes spiral, Ice ... 36
Arctic Ocean, Circumnavigation ... 246
Arctic trip, U.S. icebreakers ... 273
Arecibo radio telescope ... 225
Arizona's irrigation ... 55
Armadillo, One-ton ... 347
Armenia, Observatory ... 492
Armor, Air Force ... 420
Armor on wheels ... 122
Arnold, Harry L. Jr. ... 111
Aronow, Saul ... 466
Aronson, Robert ... 442
Arthritis ... 68, 69, 516
Arthritis, Analgesics ... 347
Artificial limbs, Electric control ... 495
Artsimovitch, Lev ... 35, 350
Artsutanov, Y. N. ... 537
Ascariasis, WHO fights ... 115
Asian flu ... 228, 446
Asian psychiatry ... 254
Aspirin, Timed-release ... 307
Aspirin ads ... 90
Astakhov, Petr. G. ... 636
Asteroid positions ... 136
Asthma, House-dust mite 494
Astronauts, Light contrasts ... 83
Astronauts, Radiation effects ... 109
Astronauts, Quarantine ... 395
Astronomy review ... 618
Athletes, High altitudes ... 587
Atherosclerosis, Diet ... 634
Atkins, E. L. Jr. ... 202
Atlantic, Magnetic boundaries ... 108
Atlantic flights, Tracked 83
Atlantis ... 125
Atmosphere, Closed systems ... 527
Atmosphere, Sudden warmings ... 631
Atmosphere analyzer ... 383
Atmospheric models ... 561
Atmospheric radiations, Charted ... 222
Atmospheric reference ... 290
Atoll air base ... 156, 584
Atom, Heaviest ... 332
Atomic arms training ... 178
Atomic energy, 25th anniversary ... 561
Atomic explosions, Gasbuggy ... 558
Atomic power bottleneck 594
Atoms, Interstellar dust ... 375
Atoms for Peace Awards 492
Attardi, Barbara ... 394
Attitude therapy ... 143
Auerbach, Oscar ... 159
Auger drill ... 382
Auroras, Enigmatic ... 58
Australia, Brain drain ... 519, 303
Australia, Early man ... 108
Australia, Fishing ... 178, 290
Australia, Inland sea ... 540
Australian nuclear power 278
Australian pilot survey ... 395
Auto exhaust cut ... 532, 599
Automobiles, Electric ... 442
Autoradiography kit ... 286
Autosome, Missing ... 393
Avalanche transistor ... 287
Awl, Richard A. ... 444
Azidopenicillin ... 469

B

Baade, Walter ... 490
Babies, Blood transfusions 565
Bachrach, Arthur J. ... 424
Bacteria growth monitor 574
Bacterium E. coli ... 231
Bagasse mulch ... 263
Bailar, John C. III ... 175
Bailey, J. Martyn ... 634
Balloon-borne power stations ... 331
Balloons, Rough surface 335
Bank protection ... 229
Baran, Paul ... 26
Baranowski, Richard M. ... 103, 252
Barcus, James R. ... 636
Barden, Robert P. ... 109
Barium sulfate, Drawback 299
Barlow, H. M. ... 277
Barnard, Christian ... 581
Barnett, Homer G. ... 95
Barrett, Alan H. ... 252
Bartender, Telemetered ... 538
Barth, C. A. ... 439
Bart's Hemoglobin ... 541
Bartterr, Frederic C. ... 185
Barua, D. S. ... 43
Basalt, Lunar ... 368
Baserga, Renato ... 4
Bath, Markus ... 137
Bauxite pebbles, Martha's vineyard ... 270
Bayley, Nancy ... 143, 275
Beach, Frank A. ... 398
Beckenbach, J. R. ... 222
Beef output, Legume ... 563
Bees, Bred ... 202
Bees, Fruit growers ... 515
Behannon, Kenneth W. ... 611
Behavior, Flexible ... 612
Behavioral sciences review ... 616
Bell, James A. E. ... 491
Benn, Anthony Wedgwood 204
Bennett, Ivan L. ... 8
Benoit, Robert E. ... 586
Bentley, Charles R. ... 586
Berendsen, R. C. ... 539
Berkeley Growth Study ... 275
Berkowitz, Leonard ... 381
Berlin, Nathaniel ... 89
Bernsohn, Joseph ... 316
Bessman, Samuel ... 184
Bethe, Hans Albrecht ... 463
Bichard, John A. ... 98
Bicycle, Tire-less ... 74
Binder, Alan M. ... 211
Bing, Peter ... 535
Biological clock ... 361, 380
Biological research ... 615
Biological rhythms ... 47
Biological warfare, U.S. ... 512
Biomedical research ... 78, 514
Biosatellite 2 ... 299, 316
Birds, Conservancy ... 633
Birds' eggs, Insecticides 266
Birth control, Morning-after pill ... 343
Birth control, Poor ... 345
Birth control study, NIH 109
Birth defects, LSD ... 562
Bishop, A. W. ... 204
Black, Davidson ... 593
Black body, Electromagnetic ... 582
Black fly, Blindness ... 1, 16
Blackflies, Canadian ... 108
Blackwell, Edward L. ... 468
Blaisten, Raul J. ... 281
Blake, Charles ... 101
Blake, David A. ... 11
Blanco, Victor M. ... 375, 611
Bleeding, Light stops ... 50
Bleeding, Spray stops ... 307
Blind, Aids to ... 5
Blind, Seeing-eye cane ... 12
Blindness, Parasitic worm 16
Blocking theory, Hypersensitive ... 174
Blomdahl, Karl-Birger ... 475
Blood, Cadavers ... 396
Blood, Cold storage ... 90
Blood analyzer, Fast ... 571
Blood and marrow storage 589
Blood clots, Doppler effect ... 396
Blood clots, Streptokinase ... 167
Blood flow, Interrupted ... 565
Blood group, Fertility ... 197
Blood transfusions, Warm 376
Blood tolerance, Type A 565
Blood type A-h ... 446
Blower, Compact ... 214
Bodies, Donating dead ... 60
Body battery ... 20
Body temperature, Brain amines maintain ... 447, 606
Boeing, Recruiting in Australia ... 519
Boeing SST ... 101, 610
Boggild, J. K. ... 326
Bohr Institute ... 326
Bond, George F. ... 41
Bone marrow bank ... 589
Borgenhammer, Edgar ... 610
Boring, Edwin G. ... 424
Boron air frames ... 420
Bottlenose dolphin, Albino ... 206
Boutland, John A. ... 599
Bowell, E. L. G. ... 561
Bowen, Perry G. ... 345
Boyd, Alan S. ... 369
Boyer, V. S. ... 518
Bradfield, Robert B. ... 188
Brady, Roscoe O. ... 4, 185
Brain, Mild currents ... 466
Brain atlas, Dolphin ... 207
Brain cell analysis ... 128
Brain cells, Test tube ... 470
Brain drain ... 155, 519, 303
Brain drain, Hearings ... 490
Brain drain, Immigration laws ... 610
Brain processes ... 631
Brain research ... 529, 544
Brain structures ... 545
Brain transplant ... 370
Brains, Small ... 266
Brand, Paul ... 110, 111
Branemark, Per-Ingvar ... 547
Braunwald, Nina ... 358
Bravo, Helia ... 280
Breakaway signs ... 70
Breast cancer, Proneness 467
Breast cancer, Urinalysis 595
Breast feeding, Decline ... 589
Breast removal ... 266
Breeder reactors, ATR ... 80
Breeder reactors, Fast ... 200
Breslow, Lester ... 560
Britain, Brain drain ... 610
Britain, Foot-and-mouth disease ... 558
Britain, Quarantines pets 540
British addicts ... 495
British doctors, Emigrated ... 187
British immigrants Return ... 107
British medical research ... 239
British smoking habits ... 61
Brode, Wallace R. ... 584
Brodie, Bernard B. ... 457, 476, 488
Brohult, Sven ... 519
Broken-heart deaths ... 422
Brookings Institution 217, 232
Brown, Halla ... 304
Brown, Harrison ... 136, 562
Brown, John H. ... 347
Brown, William J. ... 356
Brumm, Douglas B. ... 421
Brunner, M. J. ... 468
Brush, Harvey ... 594
Bryant, D. A. ... 58
Bubble chamber, 70 Kilogauss ... 137
Bubble chambers ... 334, 626
Bucha, V. ... 119
Bucksbaum, Monte ... 174
Budnikov, Nikolai ... 246
Bufus marinus ... 38, 149, 318
Buildings, Instant ... 35
Bulbrook, R. D. ... 467
Bunt, John S. ... 586
Buoy study, Pacific ... 348
Buoys, Gulf of Mexico ... 431
Buoys, Wave power ... 538
Burghart, Gordon M. ... 180
Burkholder, Paul ... 250
Burns, John J. ... 392
Burns, Hyperbaric chamber ... 396
Burns, Ointment ... 469
Buros, Oscar Krisen ... 183
Busby, Roswell F. ... 590
Bush, Ian F. ... 595
Bushmen, Click-speaking 493
Bussing, Evaluated ... 486
Butler, Phillip A. ... 290
Byram, E. T. ... 77
Bytchenko, Boris ... 320

C

C-SCAPE ... 139
CAT ... 6
CAT, Radar detects ... 222
CAT testing ... 566
CERN ... 326, 328
CERN accelerator ... 33, 137, 354, 444
CIA damage ... 32
CMN ... 585
CO_2 incubator ... 357
Cabildo Arellano, Hector M. ... 277
Cable breaks, Located ... 602
Cacti species, Threatened 280
Cadaver blood ... 396
Cadman, John D. ... 590
Cain, Stanley A. ... 104
Calf valve, Implant ... 358
Calkins, Robert D. ... 232
Callisen, Sterling A. ... 493
Camera obscura kit ... 142
Cameron, James ... 143
Camm, A. J. ... 187
Camp lantern, Portable ... 238
Campbell, James B. ... 534
Canada-Japan uranium ... 405
Cancer, Adenovirus ... 376
Cancer, Anticoagulant ... 396
Cancer, Breast ... 266, 595
Cancer, Chewing tobacco 495
Cancer, Gallbladder ... 307
Cancer, Pickles ... 61
Cancer, Predisposition ... 167
Cancer, Smoking animals 158
Cancer cells, L-asparaginase ... 231, 582
Cancer cells, Lymphocytes avoid ... 571
Cancer detection, Glands 109
Cancer-immunology link ... 163
Cancer research ... 418
Cancer virus ... 446, 608, 621
Candau, Marcolino Gomez ... 43
Candy-eating ... 71
Caphaloglycin ... 469
Capillary kidney ... 239
Capodanno, John A. ... 494
Capri, Fruit flies ... 222
Captan, Defended ... 172
Carbon dioxide, Plants ... 455
Carbon monoxide levels ... 441, 532
Carbonates, Crop yield ... 418
Carburetor, Simple ... 211
Caribbean fruit fly ... 103, 252
Carles-Trochain, Elizabeth ... 513
Carlson, David L. ... 626
Carp, Fish-killing ... 290
Cascades, Geologic roots 373
Cashion, Kenneth D. ... 626
Caspari, Ernest W. ... 221
Castellanos, Hector A. ... 541
Cattle feed, Paper ... 633
Caughey, T. K. ... 561
Cell study, Low temperature ... 571
Centaurus XR-2 ... 611
Cesareans, Thirteen ... 167
Census, Homeless ... 353
Central Arizona Project ... 55, 172, 394
Cement, Conductive ... 118
Cepheid variables ... 279
Ceramic foam insulator ... 98
Cerenkov generation ... 455
Cesium-aluminum cloud ... 468
Cesium 133, Second ... 537
Chaff, Missile tracking ... 335
Chain saw, Gasoline ... 214
Chalmers, Thomas C. ... 88
Chance, Britton ... 380
Chang, C. C. ... 135
Chapman, Sydney ... 58, 119
Charles B. Huggins ... 175
Chato, John C. ... 35
Chemical and biological warfare ... 510
Chemical element 102 ... 274
Chemical reactions, Fast 464
Chemicals, Environmental changes ... 512
Cherenkov, V. ... 35
Chewing tobacco, Northern India ... 495
Chi, S. W. ... 135
Chicken salad, Contaminated ... 202
Children's light switch ... 166
Child's earliest talk, I.Q. test ... 143
Child's early emotions ... 612
Chile, Astronomical center ... 205
China, Thermonuclear ... 31
Chinese bomb ... 7
Cholera pandemic ... 43
Cholesterol study, FDA ... 11
Cholestyramine ... 370

Cholinesterase gene, Lack of 61
Cholula project, Strike 372
Chloramphenicol 608, 621
Chloromycetin 560
Christy, Robert F. 279
Chrome, Curved 421
Chromosomal breakage 465
Chromosome, Missing 393
Chromosphere, Stars 354
Chung Nak-jin 130
Church, Charles 561
Cicada 318
Cigarette, Low-temperature 491
Cigarette filters 104
Cigarette smoke, Aphids 90
Cigarettes, Safer 227
Circulation patterns 547
Circuit tester 430
Citations, Science News 604
Cities, Fast-growing 95
Clark, B. G. 371
Clark, Leslie M. 6
Clark, William S. 68
Clarke, A. D. B. 612
Clarkson, M. R. 129
Cleaner-degreaser 70
Clear Air Turbulence 6, 222, 566
Cleft palate correction 95
Clemente, Carmine D. 470
Climate changes, Greenland 427
Clocks, Microsecond 226
Cloud heights, Laser 181
Cloud satellites, Earth 153
Coal-mining disaster 204
Coal seam faults 549
Coanda, Henri 263
Cobb, Sidney 516
Cockburn, Aidan 608
Cockcroft, Sir John 349
Cockerell, Christopher Sydney 215
Cockroach, Operating on 304
Coconut crab 388
Cohen, Elias 388
Cohen, Maimon 465
Coker, Cecil H. 26
Cole, Jonathan 501
Coleman, Douglas L. 154
Colisan 347
College financing 297
Colliery waste slippage 204
Collision avoidance 126
Colman, Arthur 81
Color, Races 177
Color balance, TV sets 444
Color TV, X-rays emitted 11
Color TV display 538
Columbia, Md. 49, 64
Columbia-endorsed filter 105
Combat-support vehicle 66
Comet Mitchell-Jones-Gerber 84
Comet Schwassmann-Wachmann I 160
Comets, IQSY 160
Comets, Re-finding 394
Communication, Deep space 153
Communications, Interstellar 252
Community health centers 353
Comparison wheel 406
Compressed speech 516
Computer, Atmospheric motion 631
Computer, Drug effect 266
Computer, Navajos 612
Computer librarian 12
Computer revolution, DDC 539
Computer tapes, Safety 215
Computers, Botanical species 161
Computers, Fast print-out 455
Computers, Publishing 44
Conant, James B. 349
Concorde SST 609
Concretions 196
Condon, Edward U. 179
Conklin, E. K. 582
Conner, Doyle E. 103
Conner, Robert L. 542
Conscious experience, Brain activity 631
Consciousness, Unexplained 544
Consolazio, Frank 512
Constants, Standard earth 165
Continental drift 175
Contraceptive pill, Men 452
Contraceptive pills, Metabolism 167
Contraceptive pill, Morning-after 343
Contraceptives, Effects of oral 109
Conveyor belt, Spiralled 458
Convulsions, Chemistry 470
Cook, Newell C. 66
Cooper, John 298
Copper coating 454
Copper wastes 37
Coppola, Edward D. 445
Corn borer control 431
Corporations, Big 346
Cortex, Sensory reaction 631
Cortex cell structure 207
Cosmos 97, Maser 153
Cosmos 111 reentry 179
Cosmos 186 and 188 466, 513
Cotter, Lloyd H. 81
Couch, J. N. 467
Cougars, Conservation 443
Coulston, Frederick 199
Coulter, G. W. 108
Coumadin, Cancer 396
Courtier, G. M. 58
Cowley, R. Adam 494
Crain, Stanley M. 470
Crandell, Dwight R. 527
Crease resistance, Cotton 527
Creativity, Honor students 180
Crime computer, Trends 83
Cornbach, Lee J. 183
Crooks, Donald 54
Crop yields 443
Cropley, A. J. 180
Crowded animals, Conditioned 542
Crux X-ray source 53
Cryogenic kit 286
Cryogenic scuba system 138
Cryogenic thermometer 22
Cryosurgical probe 527
Crystals, Calcium molybdate 84
Current, Extraterrestrial ring 119
Cytochrome-c 445
Cyclamates, FDA 199
Cyclohexylamine 200
Cygnus, X-ray source 14, 117
Cylinder support dolly 622
Cytoplasmic inheritance 394

D

"D" Cell, Rechargeable 166
DDT, Oysters 290
DMSO, Penetrates rubber gloves 316
DNA, Mitochondrial 394
DNA, virus (Phi X174) 629
DPNH 380
Damgaard, Jorgen 327
Dana, Richard H. 183
Danhof, Clarence H. 233
Dastoli, Frank R. 316
Daunt, John G. 527
Davidsohn, Israel 589
Davidson, Gerald T. 53
Davidson, Robert S. Jr. 397
Davies, William E. 572
Davila, Julio C. 422
Davis, Frank 485
Davis, Raymond Jr. 332
Davis, Watson 25, 28
Dead man's control 23
Deep diving record 246
Deep submersibles, Control 468
Defoliation, Vietnam 510
Deichmann, William B. 376
de la Cruz, Felix 393
Delgado, Jose 533
Demole, Michel 377
Dempsey, Jerry 109
Denkewalter, R. G. 185
Dennis, Clive 95
Dentistry, Oral Health 188
Dentists, Detect diseases 589
Dentists, Vietnamese 239
Depression, Survival 542
Dermen, Haig 257
De Robertis, Eduardo 470
Desai, Maraji 228
Desalination, Solar-powered 204
Desalination plant, Salt 383
Desalination plants, Mexico 230, 260
de Sollano, Carlos Diez 475
Detergents, Tanker disaster 230
Deutsch, David E. 170
Diabetic mice 154
Diabetics, Signature 547
Dialysis 266
Diamine compound, Side effects 452
Diamond, Stanley 583
Diaper wringer, Plastic 287
Diarrheal diseases, WHO 403
Diatom 293
Dick, Stanley 47
Dicke, Robert H. 226
Dickerson, Richard E. 445
Dieldrin, Hens' eggs 266
Dienal, Yves 143
Diethylstibestrol 343
Digital analytical balance 646
Digital pH meter 262
Diluting instrument 142
Dineen, Peter 541
Dingell, John D. 104, 443
Diphtheria, Immunization 446
Dirac, P. A. M. 444
Direct Digital Control 539
Diseases, Marital hostility 516
Displaced communities 95
Diuretics, Questioned 377
Diving, Liquid air 139
Divorced persons, Health problems 560
Dixon, Kendal 565
Dixon, Paul Rand 227
Doctors, Poor areas 353
Dog days 189
Dogs, Anti-flea injections 588
Dogs, Gate theory 542
Dolphin, Mind mapping 193, 206
Doppler shifts, Interstellar flight 448
Dowd, Leo J. 554
Doxiadis, Constantinos 71
Draft deferments 33, 584
Drake Passage current 71
Dream cycle, Women 562
Dream scintillations 107
Dreams, ESP 424
Dressler, Donald P. 396
Drill, 20,670 feet 590
Drinkers, Safe 397
Drinking patterns 416
Drivers, Impending accident 143
Drought, India 229
Drought, Aquatic species 355
Drought relief, Hurricane 590
Drucker, William 560
Drug abuse control 130, 621
Drug addiction, Britain 495
Drug equivalency, PMA 608, 621
Drug evaluations, Animal 542
Drug evaluations, FDA 250, 560
Drug evaluations, NAS 347
Drug reactions, Factors influencing 392
Drugs, Advertising 105
Drugs, Biological rhythms 381
Drugs, Generic 316, 559, 621, 608
Drugs, Molecular level 517
Drugs from the sea 249
Duct failure, Predicting 538
Duhl, Leonard J. 65
DuMond, Frank V. 562
Duplicator combination 190
Dust particles, Orion 205
Dust ring, Earth 35
Dutch elm disease 256
Dyer, N. H. 446
Dziewiatkowski, Dominic D. 188

E

E-coli 231, 446
EACA, Stops bleeding 541
EBWR reactor 36
ENEA project 84
ESP research 409, 424
ESSA, Cold Line's 82
Earth, Dust ring 35
Earthquakes, Quiet period 246
Earth's age 431
Earth's water balance 220
Eclipse, Moon Oct. 18 308
Eclipsing binaries, Space navigation 49
Ecdysone, In plants 376
Edey, Helen 419
Editor's desk review 614
Edman, Par 151, 185
Edmondson, Frank K. 607
Edsall, Geoffrey 61
Edsall, John T. 510
Educational Opportunity Bank 296
Educational research 143
Efran, Jay S. 95
Efron, Daniel 500
Eggen, Olin J. 104
Egger, M. David 128
Eichler, Edward P. 64
Eigen, Manfred 463, 464, 465
Einsteinium 36
Eisenberg, J. F. 542
Ejection seat, Rocket-stabilized 395
Electrets, Condenser mikes 554
Electric car 346, 442
Electric cable, Supercooled 359
Electric cords, Shorter 167
Electric currents, Brain 466
Electric gopher 26
Electroanesthesia 470
Electrobar 538
Electrometer 238
Electron accelerators 324
Electron micro-photographs 23, 131, 133
Electron micro-scope 26, 121, 131
Electronic cleaning kit 526
Electrons, Hydrated 492
Electrosleep 466
Elementary particles 324
Elk 30
Elliptical films, Computers 359
Elms, Healthier strain 256
Elsner, Robert W. 636
Embedding kit 454
Emergency battery 22
Emerson, Eugene S. 23
Emery, K. O. 205
Emotions, Drug effect 542
Employment, Segregation by sex 353
Enamel, Acrylic latex 190
Enders, John F. 174
Energy sources, Sun and wind 259
Engelman, Karl 571
Engelhardt, V. A. 351
Engineering, Medical research grants 376
Engineers, Fear pace of technology 180
Engineers, Worldwide organization 519
Environment, Optimum 368
Environment engineers 475
Enzymatic oscillators 380
Enzyme deficiencies 4, 571
Enzyme L-asparaginase 231, 582
Enzymes, Defective 184
Erickson, Roger D. 491
Ericsson, Ronald 453
Escherich, Theodor 231
Eshleman, Von R. 119, 439
Estrogen therapy, Heart 175
Estrogens, Birth control 343
Estuaries, Vanishing 103
Euratom 80, 588
European accelerators 328
European Community, Coordinated research 588
Eutrophication 37
Evans, David Price 392
Evaporation measurements 572
Everglades, Droughts 355
Evolution, Diseases 608
Ewing, John 37, 175
Ewing, Maurice 37
Exercise, Thyroid gland 621
Exhaust, Poison-free 455
Experimental animals 292
Explorer 11, Gamma rays 117
Explorer 34 119
Explorer 55 611
Explosion detector 70
Explosions, Sound-focusing effect 122
Extrasensory perception 424
Eyeball switch, Astronauts 181
Eysenck, H. J. 183, 353
Ezra, Arthur A. 50

F

F-111 A and B 385, 400
FAA standards 344
FDA, Drugs 105, 250, 560, 621
FDA, Marijuana control 501
FOBS, Russia's 487
Fabry's disease 4
Fairbairn, David 278
Faisal, King 421
Falk, Hans L. 158
Family planning 344
Farberow, Norman 229
Farris, Robert L. 23
Fast, Absolute 379
Fat-free diet 634
Fatovic, Peter 554
Favour, Cutting B. 587
Feigin, Ralph D. 163
Feinberg, Gerald 242
Feinstein, Bertram 631
Feldman, Frieda 634
Felton, James E. 582
Fermi, Enrico 561
Fermi breeder reactor 200
Ferns 124
Ferns, Repulse insects 515
Fertility drug 47
Fertilizer, Ocean floor 290
Fetzer, Wallace G. 122
Fiber metal kit 357
Fiberglass pipes 213
Fichtel, Carl E. 117
Field, Sheldon B. 491
Filmstrip projector 142
Finger ring, Safe 396
Fingerlings, By-pass flow 287
Finland, Alcoholism 260
Fireproof lunar module 638
Fire proofer 550
Fischel, Halbert 139
Fish, Chemical communication 515
Fish, Little oxygen 108
Fish, Ultrasound test 405
Fish dust, Frozen 637
Fish kill fine 398
Fishery study 178
Fishmeal plants, One-ton 475
Flaherty, John J. 518
Flameout spotter 135
Flannery, Kent V. 493
Flash gun, Automated 491
Flea saliva vaccine 588
Flerov, Georgy N. 275
Flexible curve 502
Floating platforms 491
Florida, Fruit fly 252
Florida crops, New pest 103
Flower pots, Hexagonal 22
Fluid oscillator 359
Fluid pumps, Coanda effect 263
Fluidic connector kit 646
Fluoride ion checker 46
Fly ash, Oil 344
Flying, Nonflyers studied 353
Foehn 52
Fog dispersal, Warm 551
Fold-away carrier 286
Folding boat 22
Folding food cabinet 166
Foley, Thomas S. 239
Folger, D. W. 572
Folic acid lack, Pregnancy 571
Folsom, James C. 143
Food and Drug Administration 250
Food irradiators 270, 518
Food production, Up 417
Food products, Nonsterile 202
Food supply, World 8
Foot and mouth disease 289, 300, 558
Football spearing 188
Ford, Kenneth W. 333
Forest fires, Thermal mapping 468
Formant finder 26
Formulary, Generic names 560
Forsyth, Robert W. 458
Fosberg, F. Raymond 157
Foster, E. M. 202
Foster, John S. 488
Fountain, L. H. 442
Fowler, Robert D. 418
Fox, David J. 486
Frackelton, William H. 398
Frank, Louis A. 119
Franklin, Benjamin 375
Franklin, David S. 143
Free, Lloyd 381
Free-fall test tower 311
Freese, Manfred 405
Frei, Ephraim H. 299
French academy, Dictionary 21
Frey, Edward 276
Fricke, Werner 538
Friedel, Samuel N. 176
Friedman, Herbert 15, 77
Friedman, Manfred P. 561
Frigate bird 156, 391
Frosch, Robert A. 485
Fruit flies 221, 222, 372
Fruiting induced 47
Fu-Fu, Instant 52
Fuel, Weightlessness 374
Fuel tanks, Foam-filled 331
Fume chamber 70
Furnace wall, Infrared television 519
Furniture, Flexible 214
Furst, Arthur 266
Fusion, Britain 204
Fusion, Controlled 287
Fuson, Robert L. 370
Future, Next Fifty Years 368

G

Galaxies, Formation 165, 227
Galaxies, Gravitational lenses 585
Galbraith, John Kenneth 346, 557
Gallagher, John P. 534
Gallstones, Cancer 307
Galston, Arthur W. 510
Galtung, Johan 107
Gamma ray astronomy 97, 117
Gamma rays, Vibration 298
Gamow, George 537
Garcia, Eusebio Y. 76
Gardner, John W. 31, 227, 560
Garlick, H. W. 303
Garrison, Robert E. 348
Garry, Ralph 419
Garwin, Richard L. 359
Gas burner control 407
Gas centrifuge development 119
Gas-core rockets 135
Gas lasers, 1,000 hours 181
Gas tracer system 637
Gasbuggy explosion 558, 610
Gaslight solar control 22
Gate theory, Sensory 542
Gebbie, Alastair 137
Gell-Mann, Murray 324
Genetic pool, Wars 612
Georgadze, Georgy 158
Geothermal power 8, 423, 444
German nuclear research 276
Gervais, Robert L. 259
Geysers area, Legalities 9
Ghetto children 486
Ghetto grievances 152
Ghiorso, Albert 50, 275
Gibson, Thomas G. 431
Ginsberg, Mitchell I. 297
Giordmaine, J. A. 537
Girls, Wrist slashing 496
Glaciers, Melting Russian 590
Glare problem 188, 421
Glass, Float process 263
Glass fiber fractures 132
Glass holder for boats 286
Glass message scrambler 187
Glazer, Myron 32
Goddard, James L. 105, 197, 250, 316, 501, 560
Goeddel, Walter V. 23
Goiter, 277, 634
Gold, Thomas 368
Gold, Alaska coast 290
Goldberg, Leo 537, 559
Goldberg, Leonard 469
Goldfish, Memory 467
Goldhaber, Maurice 626
Goldreich, Peter 86
Goldschmidt, Bertrand L. 492
Goldwater, Leonard J. 278
Gollance, Harvey 419
Golub, Gerald 455
Good, Carl David 236
Goodenough, Benton H. 32
Goodman, J. W. 279
Goodman, Lester 634
Gordon, Arnold L. 71
Gordon, Kermit 217, 232
Gordus, Adon A. 467
Gorog, Istvan 637
Gorostiza, Jose 379
Gothard, Nicholas 35
Goulian, Mehran 629
Gow, Anthony J. 586
Grace, James T., Jr. 109
Graff, Harold 496
Graft rejection, Protein 446
Graham, George A. 233
Graham, I. A. 559
Graham, Saxon 353
Grain cracks, Tested 633
Grand Canyon dams 55
Granit, Ragnar 437
Graphite gaskets 118
Gravity changes, Computed 561
Great Lakes, Dead fish 9
Great Lakes lampreys 164
Greek-U.S. center 71
Greenland, Climate 427
Greenler, Robert G. 421
Greenwood, M. R. 9
Greenwood, Michael 139
Gregory, Dick 95
Grieve, John 197
Groeber, Eugene 359
Gross, Edward 353
Groth, Carl G. 609
Grover, Robert F. 512
Growth, Psychic impact 63
Grunebaum, Henry U. 496
Grunwald, Joseph 233
Guarnaschelli, Vincent 599
Guinea pig, Diminishing use 517
Guinea pigs, Human leukemia 47
Gulftrade, Oil pollution 369
Gursky, Herbert 15

H

HYCAT 551
Hachenberg, O. 440
Hadwen, Theodore 152
Hagfors, Tors 242
Haimovich, Joseph 197
Hall, Leo M. 494
Hammer, Preston C. 492
Hand language, Advanced 397
Hand microtome 598
Hand scrubbing, Hospital 541
Handicapped, Photoelectric control 421
Hansel, C. E. M. 424
Hansen, Gerhard 59, 111
Hanson, John Arthur 451
Hardesty, Donald E. 383
Hardy, James D. 581
Harker, David 184
Harmon, Gregory J. 410
Haro, Guillermo 178
Harrington, Richard 355
Harris, Fred R. 33
Harris, J. R. 53
Hart, Edwin J. 492
Hartline, Haldan Keffer 437
Hartmann, Ernest 562
Hartmann, Georg 379
Hawaii, Pyraustid moth 443
Hawaiian nukupuu 633
Hawker, Charles D. 4
Hayden, Carl 56, 394
Headlight indicator 142
Healey, Denis 156, 391
Health manpower 535
Heart, cancer and stroke 61, 615
Heart, Human 581
Heart attacks 175, 405, 422
Heart disease deaths, Sweden 307
Heart implant, Electric 410
Heart muscle enzyme 61
Heart pacemakers 20, 494
Heart pump, Lycra 634
Heart surgery, Low-temperature 358, 370
Heart transplant 565
Heart valves, Artificial 422
Heart valves, Frozen 358
Hearts, Transplanted 581
Heavy-water reactor 36
Heinrichs, Donald F. 373
Heirtzler, James R. 108
Heizer, William D. 4
Helicopter shielding, British 12
Helium, Superfluid 354
Helium 3, Cooling 136
Helium-oxygen mix 285
Helium supplies 284
Hellreich, E. 304
Heller, Carl 452
Hemophiliacs, Spleen transplant 372
Hemorrhaging, Drugs 541
Henderson, Donald 568
Hendricks, Ernest L. 536
Henequen, Diseased 403
Henize, Karl 205
Henney, Jeannete H. 493
Herbarium, Computer-coded 161
Heredity, Drug reactions 392
Hern, Geoffrey 444
Heroin addicts, X-ray 372
Hess, G. B. 354
Hess, Sofie 474, 606
Hetrick, L. A. 149
Hibbard, Walter Jr. 431
Hiccup remedy 422
Hicks, John J. 222
High altitude adaptation 513, 567
Higher education, Costs 296
Hillary, (Sir) Edmund 277
Hilleman, Maurice R. 173
Hillier, James 44, 637
Hillman, Robert E. 249
Hiroshima bomb effect 266
Hirschhorn, Kurt 392, 465
Histology kit 118
Hodgman, J. F. 540
Hodgson, Robert A. 407
Hoekstra, W. G. 443
Hoffmann, William F. 84
Hogan, George D. 19
Hohman, Wayne 571
Hollander, Joseph 69
Holly, Mildred K. 122
Holly, Sandor 455
Hologram photography 211
Holograms, TV 279, 421
Holographic camera 454
Holtzman, Wayne H. 183
Home printer 44
Homeless, Census forms 353
Homelife, Stunting impact 63
Homosexuality, Planned research 397
Honeybee shortage, California 515
Honeybees, Tailor-made 202
Hookworm immunization 251
Hornig, Donald F. 297, 489, 614
Horowitz, Mardi J. 107
Hörtig, Gunther 136
Hosmer, Craig 7, 197
Hospital costs 31, 442
Hospital personnel, Bacteria control 541
Hospitals, Marginal 107
Hospitals, Medicare 535
Hospitals, Sweden 610
Hot Line 82
Housing, Discrimination 56
Hovercraft, Atomic-powered 599
Hovercraft, Legal knots 176
Hovercraft, Ocean floor survey 302
Hovercraft, Paddle wheels 215
Hovertruck, Amphibious 12
Howard, James J. 369
Howard, Robert F. 251
Howell, T. F. 582
Hoyle, Fred 375, 441
Huang, Shu 226
Hudson, R. P. 585
Huebner, George J. 346
Huebner, Robert J. 446
Hufnagel, Charles A. 358, 422, 581
Hughes, J. L. 279
Human behavior, Animal research 533
Human hibernation 447
Human testing, Consent 88
Hummel, Katharine P. 154
Humor, Sarcastic 95
Hundley, James R. 153
Hunt, Mahlon S. 611
Hurley, Patrick M. 175
Hurricanes, Helpful 590
Hurtado, Alberto 512
Husband, H. C. 440
Huston, Tom 252
Hutchinson, Thomas C. 562
Hyaline membrane 626
Hybrid rockets 331, 374
Hybrid vegetable 90
Hydrated electron 492
Hydrogen, Two forms 537
Hydrogen bombs, China 7, 31
Hydroxyl ion, Space 251
Hyperbaric chamber, Burns 396
Hypothalamus 447

I

IBP 316, 512
IMP-3 re-entry 611
I.Q., Boys and girls 275
I.Q. test, First-year 143
IQSY, 25 comets 160
IRLS subsystem 19
IUD effect 20
Ibbertson, H. K. 277
Icarus, Radar waves 490
Ice, Contaminated 446
Ice, Spiral air bubbles 36
Ice cap, Infrared scanning 572
Ice cap, Living beneath 635
Ice cores, 2,000 feet deep 586
Ice lubricant 170
Ice prediction system 190
Icebreaker 246, 273
Illegitimacy, Adoption problem 143
Immigration laws, Brain drain 610
Immune reaction 59
Impact testing 302
Infanticide 47
Infectious diseases, Evolution 608
Inflammation, Brain activity 347
Inflatable buildings 35
Influenza bacteria 469
Influenza vaccines 228
Infrared gap, Atmosphere 84
Infrared TV, Furnace 519
Inhibitory system, Sleep 470
Inkblot tests, Evaluated 182
Iron Mountain satire 557
Insect communication 398
Insect hormone, In plants 376
Insecticide, Body lice 163
Insecticide capsules 431
Instant building 22
Interstellar navigation, 45 Eridani 448
Insulation sandwich 331
Insulating foam 98
Insulin synthesis 152
Intelligence, Male and female 275
Interferometry, Long-line 370, 618
Interferometry experiments 440
Interferon inducers 173
International Astronomical Union 226
International Biological Program 316
Interstellar dust, Composition 84
Intrauterine device 20
Ionosphere, Artificial 468
Irradiators, Demonstration 270
Irrigation, Self-propelled 554
Iron oxide films, Thicker 211
Irreverre, Filadelfo 4
Isaacs, Alick 173
Isaacs, John D. 348
Isbell, Harris 501
Isoprenoid isoalkanes 165
Israel, Brain drain 155
Israel, Jordan River 203
Israel, Nuclear weapons 8
Israel's immigrants 71

J

Jacobs, John E. 538
Jacobs, Robert B. 359
Jacobson, Harold G. 372
Jaffe, Frederick S. 344
Jaffe, Leonard D. 632
Jakimiuk, W. J. 609
Japan, High energy physics 127, 329
Japan, Mental health 254
Japan, Skyscraper 85
Jardetzky, Oleg 517
Jaw gauge 35
Jay, Douglas 176
Jenkins, Trefor 61
Jensen, Arthur R. 182
Jet landings, Net 420
Jet travel, Pregnancies 422
Jets, Quicker take-off 259
Joffe, Milton 56
Johnson, Joseph E., III 446
Johnson, Lyndon B. 9, 79
Johnson, Rudin M. 549
Johnstone, A. D. 58
Jones, D. J. 468
Jones, James 236
Jordan River development 203
Jungle, Effect on radio 136

K

Kaback, H. Ronald 231
Kado, Ray T. 545
Kahn, Herman 368, 557
Kaltenborn, Howard S. 253
Kangaroo rats 431
Kanof, Naomi M. 347
Kantrowitz, Adrian 581
Kaplanis, John N. 515
Karasek, Marvin A. 197
Kasumigaseki Building 85, 172
Kaufman, I. Charles 533, 542
Kaufman, Ira H. 50
Kaye, Clifford A. 270
Kazakevicius, Algimantas H. 146
Keane, W. M. C. 167
Kehr, August E. 257
Kelly, William 13
Kelsay, Hoyt C. 170
Kemper, William D. 572
Kennedy, Edward M. 104, 489
Kennedy, John F. 79
Kennedy, Vance C. 164
Kensler, Charles J. 228
Kerner, Otto 295
Kerr, Clark 516
Ketchum, Smith A. III 396
Kiddle, Ian B. 540
Kidney, Capillary 239
Kidney disease, Vitamin D 177
Kidney machine 266
Kidney transplants 59, 609
Kilauea's lava 487
King, Paul F. 455
Kings, Leonard 335
Kircher, Henry W. 90
Kirkby, Michael J. 493
Kirkland, John W. 358
Kirtley, David W. 413
Kit, Saul 621
Klein, Jordan 138
Klingebiel, A. A. 443
Knezevich, William 239
Knight, Charles A. 36
Knowles, Robert 39
Knox, John M. 356
Knuth, Donald 136
Koala bears, Children 563
Koch, Goran 20
Koch, L. J. 518
Koga, Yoshiyuke 255
Köhnlein, Walter 561
Kolipinski, Milton 355
Kolm, Henry H. 444
Kolomensky, Andrei A. 332
Konecci, Eugene 367
Korea, Birthrate 130
Korea distoma, Fluke 261
Kornberg, Arthur 629
Kornberg, Warren 614
Kraus, Joseph H. 148
Kraushaar, William L. 117
Krech, David 544
Kreshover, Seymour J. 90
Krey, Theodor 549
Kruger, Jerome 211
Kubicek, William 546
Kuiper, Gerard P. 87
Kunkel, William R. 611

L

L-asparaginase 231, 582, 616
LEED, Warheads 374
LOSS 41
LSD, Birth defects 562
LSD, Chromosomal breakage 465
Laboratory notebook 526
Laboratory power supply 598
Laboratory still 94
La Frentz, George E. 602
Lake, Mud recovered 164
Lake Erie, Polluted 633
Lake Eyre, Seawater 540
Lake Michigan, Alewives 9, 348
Lake Michigan Currents 37
Lamb, Frank G. 170
Laminar flow, Dolphins 207
Laminar flow vehicle 113
Lamprey eels 10
Land, Edwin H. 527
Landslides, Detection 590
Language instruction 516
Lapp, Ralph E. 7, 31
Larson, Edward 38
Laser, Sphere pump 561
Laser, Twin-beam 135
Laser computers, Russia 303
Laser experiment, Lunar 611
Laser fiber-optics system 374
Laser hologram 211
Laser light, Purified 637
Laser microprobe 375
Laser probe, Subnuclear 279
Laser pulse, Clouds 181
Laser pulses, Measured 537
Laser system 262
Lasker Awards 488
Laster, Leonard 4
Latin America, Livestock 300
Lava, Hawaii's Kilauea 487
Lawton, Elliott J. 98
Lead drop test body 112
Lead hazard, WHO study 278
Leake, Chauncey 89
Leakey, Louis S. B. 514, 593
Learning process, Brain impedance 545
Lee, Richard B. 493
Leitenberg, Milton 512
Lemon juice, Introvert 353
Lennon, Alton 349
Leon, Shalom 347
Leprosy, Latin America 59
Leprosy patients 110
Lesch-Nyhan disease 571
Leukemia, Guinea pigs 47
Leukemia, Immunity 163
Leukemia, L-asparaginase 231, 582
Leukemia, Stem cells 221
Leukemia, Test tube virus 109
Le Veen, Harry H. 50
Levine, Bernard B. 392
Levine, Philip 521
Lewin, Leonard C. 557
Lewin, Michael 562
Lewis, W. Bennett 492
Libby, Willard F. 119
Liberty ship, Sunk 319
Libet, Benjamin 631
Lidov, Arthur 74
Lieberman, Joseph A. 200

Life molecule, Synthetic 629
Life sciences review 615
Light, Ocean depths 590
Lightning, Radar 331
Lightning, Triggered 375
Lightning rod, Radioactive 491
Liljenquist, L. Blaine 129
Lilly, J. C. 206
Limestone, Fossil plankton 348
Lindbergh, Charles A. 177
Lindenbaum, S. J. 334
Linetron 332
Linhart, Jiri George 287
Liquid helium 285, 354
Liquid nitrogen container 646
Lippold, O. C. J. 470
Lirugen 307
Lithium carbonate 397
Litwin, Martin S. 307
Liver transplants 609
Livestock vaccination 559
Livingstone, Frank B. 612
Lizard, Side-blotched 508
Lizards, Parthenogenic 633
Lleras Restrepo, Carlos 301
Lobsters, Large males 373
Lockyer, Joseph 284
Locomotives, Fiberglass 83
Lodge, James P. 332
Logging by kite 26
London, Gary D. 345
Long, Russell B. 559
Long base-line interferometry 370, 618
Loomis, Farnsworth W. 177
Lopas, Kasimir 549
Lorenz, Konrad 533
Loughman, William D. 465
Loukes, David G. 263
Louria, Donald 57
Lovell, (Sir) Bernard 440
Low pressure manometer 166
Lowrey, Barbara E. 611
Lucy, Harold P. 52
Lueck, Leslie M. 560
Luhby, Leonard 571
Lunar hop 536
Lunar Orbiters 2 and 3 320
Lund accelerator 326
Lung biopsy, Hollow needle 376
Lycra heart pump 634
Lyman, E. G. 566
Lymphocytes, Cancer cells 571
Lysostaphin, Staph bacteria 469

Mc

McClellan, John L. 400, 485
McCollum, Kenneth A. 259
McCracken, K. G. 53
McCrea, W. H. 165
McDermott, Walsh 514
McDivitt, James A. 566
McDonald, David L. 400
MacDonald, W. C. 61
MacGillivray, Don 374
McIntosh, Bruce 119
McKelvey, John B. 527
Mackensen, Otto 202
Mackenzie, E. B. 471
MacLeod, John 453
McNally, Edmund F. 422
McNamara, Robert S. 7, 320, 400, 487, 636
McNaughton, John T. 126
McNay, David E. 113

M

M protein vaccine 20
MACV vehicle 66
MHD improved 602
Magder, Jules 98
Magnetic boundary, Atlantic 108
Magnetic ferrites, G I tract 299
Magnetic field, Twist 160
Magnetic field disturbances 119
Magnetic fields, High 287
Magnetic shielding 406
Magnetic train 637
Magnetohydrodynamics 602
Magnetosphere 58
Magnetostriction 602
Magnets, Aligning 549
Magnifier, Full-page 622
Magnifier, Illuminated 502
Magnuson, Warren G. 227
Mahon, George H. 371, 415
Maickel, Roger 476
Maier, Norman 397
Mail sorting, Automatic 637
Maiman, Theodore H. 549
Maki, Helmi 260
Makow, David 405
Maksutov telescope, Chile 205
Malaker, Stephen F. 527
Malaria, Monkey 187, 608
Malaria, Pterine effect 76
Malaria mosquito, Control 467
Malignancy, Predicted 109
Malinin, Theodore I. 177
Manganese nodules 431
Manhattan Indians, Relics 493
Mania, Procarbazine 612
Mann, Alan M. 612
Manning, Bayless 297
Mapping, Thermal 468
Marchand, A. M. 305
Maria rock, Lunar 632
Marijuana, AMA 180
Marijuana, Effects 345
Marijuana, Synthesized 239, 500
Marijuana controversy 481, 500
Marinatos, Spyridon 126
Marine signal kit 94
Marine studies 349
Mariner 5 372, 439
Markowitz, William 226, 449
Marland, Richard E. 167
Marriages, 1966 increase 307
Mars, Windblown dust 611
Marshmallows, X-rayed 422
Martin, Michael M. 467
Martin du-Pan, Raymond 377
Martinez Dominguez, Guillermo 230
Masada 493
Maser, Orbiting 153
Mason, Horatio C. 372
Mason, Richard P. 418
Matcovich, Thomas J. 359
Mathematical systems chart 492
Matthews, Thomas A. 607
Matioli, Gastone 221
Matsumura, Fumio 445
Matsumoto, Teruo 307
Matter, Density of interstellar 14
Mattress, Alarm 23
Maverick 320
Mavor, James W., Jr. 126
Maxam, Fred A. 610
May, Harry M. 263
Mayer, Jean 510
Maynard, George H. 455
Mazursky, Harold 367
Mead, Margaret 583
Measles vaccine 307, 565
Measurin, Revised labeling 307
Measuring comparator 478
Meat, Substandard 129
Meat, Ultrasound test 405
Meat inspection 239
Mechoulam, Raphael 239, 500
Medical care cost 535
Medical research, Human payoffs 514
Medical sciences review 615
Medicare, Act of emancipation 396
Medicare, Prescription drugs 316, 560, 609
Medicare programs, Effect on hospitals 442
Medicine, Engineering problems 376
Medicines, Computerized 495
Meerloo, A. M. 381
Megrue, G. H. 375
Melman, Seymour 583
Melrov, D. O. 211
Melville, Robert 595
Melzack, Ronald 542
Memory, Structure 545
Memory formation, RNA 467
Memory process, Tapped 470
Menard, H. W. 290
Mendelevium 258 332, 388
Menstruation, Dreaming 562
Mental patients, Reduction 107
Mental patients, Seashells 143
Mental patients, Vietnam 81
Menzel, Donald 87
Meprobamate, FDA 621
Mercer, Ian 230
Mercer, John H. 373
Merrison, Alec 328
Meson creation 324
Metal crystals 133
Metal shelves, Adjustable 190
Metalliding 66
Meteor, Low height 119
Meteorite analyzer 585
Meteorite simulator 395
Meteorites, Rare gases 375
Metric missile 320
Metric system, Military favor 320
Metric units, Water quality data 536
Methyl mercury, Fish 564
Mexican cacti 280
Mexican geothermal energy 423
Mexican Herbarium 161
Mexican observatory 178
Mexicans, Psychiatric problems 277
Mexico, Nuclear program 260, 379
Mexico, Smallpox accord 67
Mexico city sewers 204
Meyer, Grant E. 514
Meyers, Frederick H. 57, 80
Mica 272
Mice, Paternal behavior 398
Michael, Frank R. 215
Microcircuits, Giant camera 181
Microcirculation 546
Micro-drawing 406
Micrometer ball adapter 574
Microorganisms, Oil-consuming 344
Microprojector 46
Microscope, Nerve cells 128
Microtome, Hand 502
Microwave background, Cosmic 582
Microwaves, Very short 137
Milky Way, Gamma rays 117
Miller, J. Irwin 535
Miller, Louis 71
Miller, T. A. 251
Mills, Wilbur 371, 415, 535
Milwitzky, Benjamin 536, 632
Mind-mapping, Dolphin 206
Mines, Reinforced plastic supports 213
Mining wastes, Instability 572
Missile tracker, Chaff-proof 335
Mitchell, Herbert E. 84
Mitchison, N. A. 59
Mite, House-dust 494
Mitochondria 316, 394
Mitochondrion's energy 445
Miura, Tanetoshi 410
Miyakoda, Kikuro 631
Modeling clay 214
Mohri, Hitoshi 370
Molnia-1 372
Molsink chamber 420
Molthan, Lyndall 446
Monex W., Waste-based gel 236
Mongolism, Five-year cycle 563
Monkey, Smoking 159
Monkey fever, Germany 517
Monopoles, Nuclear 444
Moon, Back side map 201
Moon, Luminescence 242
Moon, Origin 332, 368
Moon, Smaller radius 165
Moon globe 430
Moon maria model 632
Moon rocks, Oxygen source 367
Moon surface, Chemical composition 367
Moon vehicle 50
Moon's wake 611
Moonwatch, Record 638
Moore, Francis D. 609
Moore, George E. 227 396
Moore, Patrick 86
Moore, Stanford 151
Morgan, Karl Z. 253
Morgane, P. J. 206
Morita, Shoma 254
Morris, John McLean 453
Morris, Peter A. 594
Morris, Robert W. 443
Morris, Roger H. 376
Morowitz, Harold 320
Morse, Richard A. 599
Mortimer, Clifford L. 37
Morton, Donald C. 53
Moshchov, B. S. 90
Moskowitz, Saul 448
Mosquitoes, Fungus control 467
Mosquitoes, Malaria-infected 88
Mosquitoes, Mold limits fertility 445
Mössbauer analysis 298
Moth, Mating stimulant 398
Moth pest, Hawaii 443
Mt. Rainier, Dormant 37
Mountain lions, Protection 443, 556
Mourning dove kill 398
Mouse, Diabetic 154
Moving transparencies 622
Mudd, S. Harvey 4
Muffler, L. J. P. 572
Muir-Thompson, Alan 17
Mulch, Sugar cane 263
Multiple sclerosis, Diet 316
Murayama, Makio 134
Murphy, Raymond J. 152
Murray, Gordon 534, 560
Murray, Roderick 517
Muscari, Joseph A. 420
Muscle stimulator 407
Mussels, Narrow water main 471
Mussels, Pressure trap 556
Musser, Marc J. 61
Mutke, H. G. 422
Muto, Kiyoshi 85
Myambuto 517
Mycelia, FIS action 47
Myers, Robert D. 447
Myrdal, Gunnar 368

N

NIH research 442
NINA, Electron accelerator 328
Nadel, David 222
Nagler, Sigmond H. 396
Narcotics, Marijuana 345
Narcotics detector, Anti-smuggling 637
Natarajan, A. R. 278
National Academy of Engineering 376
National Academy of Sciences 467
National Institutes of Health 78, 442
National Science Foundation 345, 489
Natural sciences review 617
Naughton, Michael 151
Navajo tribe, Computer 612
Nees, Paul O. 199
Negrete, Manuel del Castillo 106
Negro militancy 152
Negroes, Prejudice 419
Neidl, Georg 218
Nematoda, India 108
Nerve gases 511
Nesbit, Reed M. 396
Ness, Norman F. 611
Neurosis, Survival value 542
Neutron decay 325
Neutron star 15, 104
New Zealand, Nuclear power 471
Newell, Kenneth W. 130
Newspaper-molasses feed 633
Newton, Niles 589
Niagara Falls, Dried 633
Nicholas, James A. 79
Nichols, John 79
Night-sky glow 226
Nikai, Sei 85
Nikitin, V. K. 303
Nimbus, Tracking tasks 19
Niobium-90, Decay rate 298
Nitric oxide 170
Nitrofurans, Burns 469
Nitrogen converter 70
Nitrogen dioxide detector 142
Nobel, Alfred 474, 606
Nobel Prizes 437, 463
Nobelium legitimate 274
Noises, Acoustical testing 538
Noll, Hans 316
Nonproliferation Treaty 8, 584
Nonsmoking, Status symbol 353
Nopal cactus 280
Norman, John C. 372
Norman, M. J. 563
Norrish, Ronald G. W. 463, 464
Nose loaders, Airliner 551
Nossal, Gustav J. V. 59
Nova, Delphinus 81
Novas, Eclipsing binaries 15
Nuclear fuel 518
Nuclear fuel reprocessing 228
Nuclear index, Cumulative 561
Nuclear nonproliferation, Inspection 584
Nuclear plants, Small 518
Nuclear power, Belgium 66
Nuclear power, New Zealand 471
Nuclear power, Nine billion people 562
Nuclear power, Peach bottom 594
Nuclear power, West German 276
Nuclear reactors, Breeders 80, 200
Nuclear rocket, Gas-core 135
Nuclear satellites, Reentry 468
Nuclear test detection, Amchitka 296
Nuclear test detection center 187
Nuclear weapons, Inspection 228
Nudibranch 548
Nut driver 238
Nylon 9, Soybean oil 444
Nylon skin 396

O

OH radical, Radio waves 251
ORF 3858 343
ORGEL reactor 36
OSO-IV 559
Oakley, William L. 558
Oaxaca farming 493
Obese, Work capacity 109
Obesity, Diuretics 377
O'Brien, Brian J. 242
Observatory, Ancient Armenian 492
Observatory, Mexican 178
Observatory, Saudi Arabia 421
Obsidian artifacts, Dating 467
Obturators, Accents 95
Ocean-atmosphere Interactions 348
Ocean bottom sampling 108
Ocean floor, Hovercraft surveys 302
Ocean floor, International law 40
Ocean floor, Spreading 175
Ocean mining 590
Oculometer 181
Odor, Genetic behavior 180
Oelke, Ervin A. 515
Offner, Franklin F. 407
Ogletree, Glenn 222
Ohlsson, Olof W. 602
Oil find, Soviet 246
Oil pollution, Marine 343
Oil sands 98
Oil shale, Sealant 122
Oil tank, Air cushion 270
Oil tankers, Sunk 369
Oil well, Russia's deepest 590
Oil well technique 599
Old, Lloyd J. 231, 582
Olympic athletes, Mexico City 587
Omega-minus 322
Omnitron 50
Omnitron competitor 136
Onchocerciasis 16
Operant conditioning 81
Operation Deepfreeze 635
Opler, Stanley R. 47
Optic fibers 438
Oral biology 188
Organochlorines, Liver damage 495
Oriental typesetting, Electronic 302
Orme, S. Kirby 396
Orozco, Octavio 178
Orr, Lloyd D. 346, 442
Osteoarthritis 68
Ottinger, Richard L. 107
Ottosen, P. A. 60
Ovaries, Transplant 541
Owl, Great Horned 244
Owl monkeys 187
Oxygen network, European 66
Oxygen tent, British 239
Oysters, Pesticides 290
Oysters, Tire rims 455

P

Packaging wastes 71
Paddle wheel, Air-cushion vehicles 215
Pahoehoe 223

Pain, Augmenters and reducers 174
Pain killer, Ponstel 445
Pain-killer, Talwin 163
Paint tester 357
Palacios, Carlos 301
Palm, Ann 242
Panaiotov, Leon 205
Panama, Livestock 300
Paper cutter, simplified 598
Paper-making, Stock for 549
Paper shredder, Hand 46
Papyrus 451
Parasitic diseases, Nuclear control 251
Parker, H. S. 84
Parsamian, E. S. 492
Particle physics 295
Particle track detectors 242, 333
Particles, Faster-than-light 242
Particles, Traced 322
Particles, Velocity of 279
Pastore, John O. 56, 127
Pasture, Enriched 564
Patanelli, Dolores 452
Patch-and-glue system, Airplanes 302
Patents, Undeveloped 50
Patterson, Gordon 403
Patton, Stuart 621
Peace games 558
Peachbottom reactor 518
Peacock, P. R. 159
Peanut crop, Record 633
Peccary fossils 37
Peck, Dallas 487
Peddie, Norman W. 636
Peking man 592
Pell, Claiborne 490
Pendulum's accuracy, Zero-shift 561
Penicillin, Syphilis 356
Penicillin allergy test 197
Pentobarbital 4
Pepper, Claude 488
Perception, Study of 174
Perfringens poisoning 202
Perfusion pump, Monkey hearts 177
Perganol 47
Perhach, John M. 554
Personality tests 183, 353
Peru, Photomap 290
Pesticide hazards 290, 376
Pesticide resistance, Nerve defense 445
Pesticide warning, WHO 495
Peterson, Homer 179
Petran, Mojmir 128
Petrie, Asenath 174
Petroleum, Origin of 165
Pets, Regulating exotic 540
Pharmacology, Research 476
Pharmacogenetics 392
Phenylketonuria 184
Phillips, David C. 184
Phillips, Robert A. 488
Phoenix missile 401, 566
Phosphofructokinase 380
Photocells, Alert handicapped 421
Photon 325
Physicians, Israeli 155
Physicians, U. S. licensed 20
Physics, High energy 313
Physics and Society, Committee on 53
Physics review 619
Pickles, Stomach cancer 61
Piddington, J. H. 227
Pier kit, Adjustable 166
Piezoelectric ear stones 443
Pigs' ulcers 443
Pilot aid, Mountain-dodging 146
Pilots, Health study 395
Pipes 287
Pipet-adapter 526
Pirofsky, Bernard 565
Plague, Pasturella pestis 512
Plaja, A. Ordonez 47
Planetarium 190
Planetary surfaces, Mapping 119
Planners, American Institute of 368
Plants, Allergic response 347
Plants, Pinpoint minerals 515
Plaskett, H. H. 585
Plasma spray system 286
Plastic, Crystal formation 133
Plastic armor, Lightweight 12
Plastic bricks 444
Plastic dispenser 286
Plastic mesh implant 494
Plastic sheets, Permeable 458
Plastic surgery, Prisoners 562
Plastics, Health hazard 494
Plastics, Wheel guide 406
Platt, John R. 397
Plaut, Thomas F. A. 417
Plutonium, Inspection 584
Poison ivy 54
Pokrovsky, A. A. 417
Polio, Origins 608
Polio cases increase 589
Polio vaccines, Banned 517
Political violence, Theories 381
Pollack, Jerome B. 31
Pollack, William 520
Pollin, William 95
Pollutant gas detector 430
Polluted fish, Banned 564
Pollution control, States 34
Polycarbonate resin 70
Polymer coatings 94
Polymer film 70
Polymers, Irradiated 98
Polyunsaturated fats 11
Pompa, Arturo Gomez 161
Pondinil 377
Ponstel, FDA approval 445
Pools, Hot blue 398
Poor, Lack time sense 183
Porsild, A. E. 398
Porter, George 463, 464, 465
Potassium flare, Matches 492
Potter, Alfred L. 167
Potts, Geoffrey 230
Pouched bib 22
Powell, G. F. 63
Powell, J. R. 637
Power from waves 538
Power plant, Floating 331
Power production, U. S. 594
Powers, Kendall 517
Preedy, John R. K. 634
Pregnancy, Rh-positive blood 521
Primate mating 562
Primeval fireball 582
Printers, Electrostatic 455
Procarbazine, Mania 612
Prokhorov, A. M. 303
Propane torch 430
Prostate cancer 175
Prostatic obstructions 396
Protective system 166
Protein, Single cell 417
Protein, Time of day 47
Protein analysis, Automated 151
Protein C' levels 445
Protein excess, Space crews 566
Protein malnutrition, Hair 188
Protein sequenator 185
Proton accelerators 323
Proton synchrotron, Russian 492
Proxmire, William 102
Psychiatry, Japan 254
Psychology, Brainless 544
Psychoneurobiochemicals 544
Publisher's desk, Review 605
Publishing, Electronic 44
Pugwash, Problems 337
Pulsed magnetic induction locator 12
Puma 100
Puppi, Gianpietro 354
Purpura, Dominick 470
Purring cats 195
Pye, Kendall 380
Pygmy stars 104
Pyle, Marjorie M. 517

Q

Quark theory 354
Quarks 326
Quasar 3C-273-B, Trans-U.S. observation 370
Quasar 3C-273-B 14, 77, 618
Quasar, 3C-287 607, 618
Quasars, Defined 585
Quasars, Young galaxies 165
Quick freezer 238
Quigley, James 34

R

R & D budget 221, 415
RAES 551
RNA, Aged sperm 209
RNA, Cytoplasmic 394
RNA, Double-stranded 173
RNA, synthesis 467
RSVP rocket 374
Rabi, I. I. 492
Rabotnova, Irina 71
Raccoon 364
Race prejudice, Overrated 419
Radar, Fold-away 12
Radar, Over-the-horizon 488
Radar echoes, Bi-static 119
Radar echoes, CAT 222
Radar-monitoring, Automatic 83
Radio relay, Satellite 177
Radio-telephone, Noise and fading 270
Radio telescope, Arecibo 225
Radio telescopes, European projects 440
Radioactive tracing, Animals 84
Radiocarbon dating, Earth's magnetic field 119
Radiograph amplifier 527
Radioisotope density gauge 108
Radiological hazards 253
Radomski, Jack 376
Ragweed 340
Rainfall, Gauged 37
Rainmaking, India 229
Ram, Mullavasal Raja 610
Rand, J. R. 175
Rapid transit, Control 407
Rat control techniques 128
Raun, Earl 431
Razran, Gregory 424
Reactor, Boiling water 36
Reactor fuel grains 23
Reactor safety approvals 594
Reactors, Fast neutron 259
Reactors, Leak detection problems 518
Red tide, Animal feed 621
Redfield, Alfred C. 205
Redisch, Walter 547
Reentry, Observation 179
Rees, Richard 111
Refrigerator, Helium 3 136
Relativity shift, Stars 449
Research, Appropriations 345
Research, Budget cuts 371, 415
Rescue ball 22
Rescue beacon 215
Retarded child, Missing chromosome 393
Reuel, Norman C. 473
Revzin, Marvin E. 239
Reynolds, Luther W. 410
Rh blood disease, Vaccine 520
Rheumatic fever, Dentists 589
Rheumatics, Spain 634
Rheumatoid arthritis 69, 445
Rhodes, Buck A. 621
Rhodesia, Sanctions 107
RhoGAM 520
Rhythms, Regulated by enzyme system 380
Ribonuclease 184
Ribosomes, Measuring evolution 316
Rice seeds, Dry 515
Richmond, Anthony 107
Riddiford, Lynn M. 398
Riedel, W. R. 175
Rioting 152
Ripley, S. Dillon 391
Ritter, Karlheinz 491
River pollution, Phosphate 398
Rivers, L. Mendel 7
Rivers, Sediment 373
Robinson, W. H. 373
Rock, William 26
Rocket belt, Two-man 35
Rocket fuel, Human waste 236
Rocket fuel additives 74
Rockey, E. E. 159
Rockwell, Theodore III 594
Rocky mountain fever 446
Rodriguez, Julie 609
Roeder, R. C. 582
Roemer, Elizabeth 393
Roessel, Robert 5, 13
Roinestad, Gerald C. 458
Rojas Mendosa, Paulino 280
Rolamite 415
Ronneby conference 351
Roos, Charles E. 36
Roque, Alfredo 74
Rorschach controversy 169, 182
Rorschach defended 364
Roscoe, John P. 387
Rosen, Jerry C. 84
Rotblat, Joseph 350
Roth, Herb 179
Roth, Julius A. 353
Rothrock, B. D. 53
Roudebush, Richard 319
Rouse, James Wilson 64
Rubber, Colored, high strength 538
Ruben, Martin 571
Ruby laser, Synthetic 549
Rucker, James 398
Ruff, A. W. Jr. 133
Rugh, Roberts 266
Rumalon 68
Russell, C. R. 538
Russell, H. E. 469
Russia, Australian fishing 178
Russia, Fast-neutron reactor 259
Russian space program 534
Russian, U.S. scientists reading 375
Russian comsats 372
Russian geneticists 221
Russian orbiting bomb 487
Russian space cabin test 638
Russian Venus findings 439
Russians, CERN 33
Rust remover concentrate 622
Ryan, William F. 33

S

S-IVB, Restart in space 513
SCAT fading 628
SST design 102, 195
SST sonic boom effects 102
STP, Untested drug 56, 80
SU(3) symmetry 36
SV-40 virus 621
Sabellariids 413
Sabin, Albert B. 228
Sabinin, K. D. 164
Sadeh, Dror 585
Sagan, Carl 320, 611
Sailla, Saul B. 373
Sailboat, Sailless 146
Salant, Walter S. 233
Salem, M. Ramez 422
Salem, Sarif 515
Salisbury, Glenn W. 208
Saliva, Research 90
Salts, Remove salt 383
San Andreas Fault, Strains 348
Sand, Conserves water 572
Sandage, Allan R. 15, 104
Sanders, C. L. 444
Santorin 125
Sarcasm, Reduces anger 95
Sardis, Bronze Age jars 493
Satellite, Radio relay 176
Satellite antenna aiming 146
Satellite launchings 1967 620
Saturn, Satellites 561
Saturn 5 472, 566
Saturn 5 crews named 566
Saur, Roger L. 421
Savkin, Mikhail M. 626
Scales, John T. 599
Scandium 46, Tagged munition 135
Scanlon, John J. Jr. 410
Scanning microscope 134
Schachtel, Ernest G. 182
Schayer, R. W. 547
Scheving, Lawrence E. 381
Schiff, Leonard I. 354
Schizophrenic twin 95
Schizophrenics, Test 516
Schlackman, William 71
Schmidt, L. H. 187
Schneider, Richard S. 188
Schoessow, Glen J. 395
Schon, Donald A. 346
Schooley, Allen H. 165
Schuch, Adam 537
Schumacher, Herbert 11
Schumann, Maurice 588
Schumm, S. A. 373
Schwartz, Anton J. F. 307
Schwartz, Louis B. 297
Schwartz, S. 516
Schwinger, Julian 444
Science budget cuts 371, 415
Science News readership 510
Science policy, Pragmatic 614
Science students, Deferments 33, 584
Scientists, Exchange visas 610
Scleroma, U.S. and Canada 634
Scott, Gifford G. 160
Scuba, Cryogenic 138
Sczesny, Edward R. 539
Sea creatures, New drugs 249
Sea floor spreading 37
Sea ice 597
Sea lampreys, Great Lakes 164
Sea level changes, Texas 205
Seaborg, Glenn T. 56, 253, 275
Seaders, John 572
Sealab III 40
Seamounts, South Pacific 373
Second, International 537
Secrecy, Useless 31
Sediment particles, Tagged 164
Sediments, Sea floor 37
Seeds, 10,000-year-old 398
Seegmiller, Jarvis E. 571
Segregation, Sexual 353
Seidel, Victor W. 510
Seismic station, Norway 137
Semplak, Ralph A. 37
Sequenator, Protein 151
Serpentuator, Space tools 181
Serpukhov accelerator 492
Servo-steering, Automobile 98
Sewage system 204
Sewage treatment 218
Sex patterns 542
Sferics-to-radar converter 331
Shakers 493
Shainess, Natalie 298
Shale oil, Atomic blast 359
Shannon, James A. 78, 476, 629
Shapiro, Allan 165
Shapiro, Bennett 231
Shea, Raymond 599
Sheath, Air rescue 566
Sheldon, Charles S. II 534
Sherburne, E. G. Jr. 28, 605
Sherman, J. K. 208
Sherpas, Goiter 277
Sherry, Sol 589
Sherwin, Russell P. 571
Sherwood, W. L. 346
Shirley, David A. 298
Shklovsky, I. S. 15
Shockley, William 287
Shoe brush 238
Shriver, (Mrs.) Sargent 298
Shumaker, Lawrence A. 468
Shumway, Norman E. 565, 581
Shurley, Jay T. 586
Sickle cells 131
Siegbahn, Kai 298
Siegel, Gilbert 311
Sigel, Bernard 396
Sigma-plus, Magnetism 36
Silica blank 354
Silicone compound 262
Silicones 343
Silver-epoxy coating 382
Silverman, Julian 174
Simons, Elwyn L. 514, 593
Sinanthropus 592
Sinclair, E. E. 80
Single cell protein 417
Sinsheimer, Robert L. 629
Sjoberg, Bengt 495
Skin, Three-layer 396
Skin grafts, Cultured cells 197
Skin pigment, Vitamin D 177
Skin temperature indicator 526
Skull, Aegyptopithecus 514
Skyhook, Russian 537
Sleep, Active process 470
Sleep pattern, Antarctic 586
Sleep requirements, Sensory and mental 180
Slide rule, Combination 382
Slide rule, Earth-sky 478
Sloane, Nathan 347
Slusser, Marion L. 122
Smale, Stephen 319
Smallpox accord 67
Smallpox eradication, WHO 261
Smallpox vaccination 553, 568, 608
Smith, Donald W. 468
Smith, Herchel 239, 500
Smith, Neal 129, 239
Smithsonian Standard Earth 165
Smoking, Federal government 227
Smoking, Lost status 353
Smoking campaigns 61
Smoking rabbits 158
Snakebites, Antivenenes 167
Snakes, Identify prey 180
Snow-related accidents 572
Soave, Orland 188
Social problems, Environment 467
Social science research, International 490
Social scientists, Overseas 32
Sodium fluoride paste 20
Sodium-potassium engine 35
Sodium power cables 211
Solar corona, Map 559
Solar energy 259
Solar neutrinos 332
Solar stills, Sheep 204
Solar system, Undiscovered satellites 561
Solar wind study 205
Solid state receiver kit 118
Solid Wastes Program 71
Somers, Herman M. 442

Sonic-boom ordinance — 374
Sonic booms, Effects — 102, 436, 638
Sonnemann, Harry — 137
Soybeans, Nylon — 444
Space activity, Soviet and U.S. — 466
Space age anniversary — 349
Space age dictionary — 551
Space astronomy missions 537
Space boosters, Uprating 472
Space conference, U.N. — 12
Space food, Long trips — 566
Space hospital, Orbiting — 468
Space laboratory, Nuclear 259
Space maneuvering — 302, 551
Space navigation, Eclipsing binaries — 449
Space navigation, Sextant 468
Space photo, Peru — 290
Space plane, Nuclear — 395
Space probes 1967 — 620
Space program, Post-Apollo — 57
Space program, Soviet — 534
Space quarantine — 395
Space radiation risks — 109
Space safety — 374
Space sciences review — 619
Space snake, Handling tools — 181
Space station, one-man — 374
Space TV camera — 83
Spacecraft contamination 420
Spacecraft sterilization — 12
Spacesuits — 35, 395
Spacewatching, Airlines — 179
Spanish drivers — 261
Spark chamber, Brookhaven — 332, 334
Spark plug tester — 238
Species, Toughness — 355
Specific gravity indicator 550
Spectrometer Specs — 242
Sperm banks — 208, 268
Sperm cells — 453
Spider, Barking — 570
Spiegel, John P. — 152
Spieksma, F. Th. M. — 494
Spills bucket — 454
Spinal cord surgery — 534, 560
Spirochetes, Penicillin — 356
Spitzer, Lyman Jr. — 53
Spohr, Arthur — 32
Spot fertilizer — 142
Spray adhesive — 550
Spray pesticides, Household hazard — 376
Standfast, Susan J. — 167
Staph infections — 469
Staphylococcus, Transmitted — 541
Staple, Self-clinching — 170
Staples, Crawford E. — 407
Star, White dwarfs — 104
Star formation — 226
Star 45 Eridani — 448
Star measurements — 181, 268
Starr, Chauncey — 518
Stars — 92, 212, 428, 522, 613
Stars, Binary — 226
Stars, Computer — 279
Stars, Energy production 463
Stars, Spectra of — 251
Stars, Sun-like activity — 354
Starzl, Thomas E. — 609
Static eliminator — 190
Steel industry, Sherwood process — 346
Steels, High ductility — 177
Steinberger, Emil — 452
Stennis, John — 344
Stephen, W. P. — 202
Stephens, James B. — 420
Stereo work-viewer — 550
Sterilization, Denied poor 419
Stevens, G. Melvin — 376
Stevenson, Derek — 187
Stevenson, Liberty ship — 296, 319, 349
Stewart, Harold — 11
Stewart, J. M. — 582
Stewart, William H. — 78, 589
Stillerman, Maxwell — 469
Stoddart, David R. — 391
Stoller, Allan — 563
Stoltenberg, Gerhard — 276
Stonehenge — 440, 508
Stopclock, Digital — 382
Storage, Ocean bottom — 311
Storms gauged — 37
Stove, Pocket-size — 118
Strang, William J. — 609
Streptokinase, Blood clots 167
Strickman, Robert L. 104, 227
Strobonar 660 — 491
Stroboscopic speedlight — 118
Strong, John — 86
Student revolt, Passed — 516
Submarine, Amateur — 218
Submillimeter instruments 137
Sugar cane, New strains 222
Sugar substitutes — 199
Sugg, Arnold — 590
Suicide, By Gunshot — 419
Suicides, WHO report — 229
Sulfite oxidase deficiency 4
Sullivan, Margaret — 494
Sulphur dioxide, Sweden 519
Sun, Sound waves — 251
Sun, Ultraviolet — 559
Sun pillars — 421
Superconductivity theories — 418
Supersonic fighter — 400, 485
Supersonic transport — 101, 102, 195, 609
Surface waves, 1.5 megacycles — 277
Surgery, Warm blood transfusion — 376
Surveyor 5 — 299, 367
Surveyor 6, Measurements — 536, 632
Surveyor 7, Landing site 632
Swartz, Elmer L. — 74
Sweden, Drugs numbered — 495
Sweden, Effects of sulphur — 519
Sweden, Heart disease — 307
Sweden, Hospitals — 610
Swedish engineers, Re-trained — 475
Swedish power, U-235 — 36
Swift, Jonathan — 557
Swim trainer — 94
Switch, Fluidic — 74
Symbols, War depends on 583
Syphilis vaccine — 337, 356

T

THC effects — 501
TRIP steels — 177
TV radiation — 11
TacSatCom — 177
Tachyons — 242
Takeda, Gyo — 329
Talwin — 163
Tape, Norman W. — 52
Tape, Tigh temperature — 574
Tape-film projector — 22
Taste, Bitter and sweet — 316
Tax, Sol — 13
Taylor, Charles R. — 263
Taylor, Thomas I. — 527
Taymor, Melvin L. — 47
Teacher aides, Successful 516
Technological change — 346
Technology, Obsolescence 180
Technology, Runaway — 368
Teeling-Smith, George — 495
Teeth, Stored — 541
Teflon matting — 214
Tejero, Noemi Castillo — 106
Telepathy, Dreams — 424
Telescope, Anglo-Australian — 540
Telescope, Isaac Newton 585
Telescope, Light from matches — 492
Telescope, Sand storms — 421
Telescope mirrors, Silica — 354
Television, Violence on — 419
Teller, Edward — 200
Temperature, Lowest — 32
Temperature changing — 332
Temperature instrument — 430
Temperatures near absolute zero — 585
Tenemycin, Staphylococci 469
Terpenoid — 197
Ter-Pogossian, Michel — 565
Tetanus shots — 61, 320
Tetrahydro-cannabinols — 239, 500
Thaler, Seymour R. — 88
Thalidomide behavior — 10
Thermistor thermometer 602
Theoretical astronomy, Institute of — 375
Thermal air bath gun — 574, 598
Thermal expansion, Solids — 53
Thermocouples, European 84
Thermoluminescent dosimeter — 626
Thin films, Elliptical — 359
Thin-gauge laminator — 646
Thomas, D. B. — 137
Thomson, David H. — 636
Thompson, Floyd L. — 374
Thompson, R. J. — 515
3C-273-B — 370, 618
3C-287 photographs — 607, 618
Three-D plotter — 118
Thresher disaster, Explained — 164
Thrombosis studied — 588
Thyrocalcitonin — 4
Thyroid gland, Exercise — 621
Thyroid hormone — 4
Tietze, Christopher — 297
Tijuana, Water — 230
Tinkle, Donald W. — 508
Tire, Wire reinforcement 74
Tissue explants, Bioelectric — 470
Titanium, James Ford — 565
Titchener, Edward Bradford — 544
Tittle, John G. — 287
Toad, Bufus marinus — 38, 149, 198
Tobach, Ethel — 533, 542
Todd, John H. — 515
Tokyo skyscraper — 85
Tolpin, J. G. — 375
Tomita, Koichiro — 393
Tonant-zintla Observatory 178
Tongue of the Ocean — 431
Toothpaste, Sweden — 20
Top-loading balance — 406
Torrey Canyon disaster — 230, 343
Tortoises — 156
Tousimis, A. J. — 565
Townes, C. H. — 303, 549
Towns, New — 64
Townsend, Gorden F. — 202
Toxic metals, Data on — 278
Tracking by satellite — 19
Trade winds, Mineral dust — 572
Tranquilizers, Costs — 397
Transistor device, High frequencies — 287
Transit 4-B — 349
Transition radiation detector — 279
Transparency material — 142
Transplant, Heart — 565, 581
Transplant, Teeth — 541
Transplants, Denmark — 60
Transplants, Liver — 609
Transplants, Ovarian — 541
Trethewie, E. R. — 167
Tribus, Myron — 441
Trippel, Hanns — 218
Tritium, Hydrogen leaks 335
Tromba, F. G. — 250
Tropical marine science center — 348
Truck, Wheel assembly 458
Tsunami warning — 222
Tube cutter — 502
Tuberculosis, Myambuto 517
Tubing, Dibutyl tin — 494
Tumors, Phosphors — 218
Tunevall, Costa — 469
Turbulent wake, Jets — 165
Turkevich, Anthony — 367
Turkey, Mussels — 471
Twin Registry — 612
Twist, Magnetic field — 160
Tyler, G. L. — 119
Typewriter, Margin control — 554

U

U-235, Processing plants 584
UFO, Peru — 179
UFO, study, Canada — 403
Udall, Stewart L. — 34, 56, 284
Udenfriend, Sidney — 476
Ullman, Montague — 425
Ulrych, T. J. — 431
Ultrasonic cleaner, Home 478
Ultrasonic imaging — 538
Ultrasound, Thawed fish 405
Ultraviolet astronomy — 53
Ultraviolet lasers — 181
Unconscious reactions — 631
Undersea chemical storage — 311
Undersea light penetration — 590
Undersea mineral resources — 590
Underwater canyon — 431
Underwater vehicles — 112
U.S.-U.S.S.R. communication lines — 82
Universe, Birth of — 582
Universe, Stages — 537
Upper atmosphere models — 561
Uprating thrust — 472
Uranium, Enriched — 36
Uranium, Australia's — 278
Urate crystals — 595
Urban development — 64
Urea, Dye solvent — 423
Urethane tape — 262
Urinalysis, Cancer — 595
Uyeda, H. — 226

V

Vaccine, Global program 569
Vaccine, Rh disease 505, 520
Vaccine, Streptococcus — 20
Vaccine, Syphilis — 356
Vacuum, Molecular sink 420
Vacuum indicator — 214
Van Allen, James A. — 439
van Zijl, W. J. — 403
Varnish drinkers, Madras 278
Vasilevskis, Stanislaus — 181, 268
Vehicle electric printer 478
Vela Uniform — 296
Venom, Bufus Marinus — 38, 149, 198
Venus, Atmosphere — 439
Venus, Balloons over — 83
Venus, Life in clouds — 320
Venus, Radar map — 242
Venus, Right of light — 86
Venus, Ultraviolet — 73, 86
Venus, Volcanic — 53
Venus and Jupiter, Photographed — 53
Venus 4 — 86, 439
Venus log — 87
Vesell, Elliot — 185, 392
Vibe, Christian — 427
Vibration of shaft, Damping — 554
Vietnam, Chemicals used 510
Vilbig, Friedrich — 146
Vincristine sulfate — 494
Vind, Harold P. — 66
Vine pruner — 383
Vinson, J. W. — 163
Violence studies — 381
Violence tolerated — 419
Virus, Herpes-type — 109
Viruses, Interferon — 173
Vision, Vitamin A — 438
Vitamin C, Colds — 221, 341, 414
Vitamin D, Color of races — 177
Vitamins, FDA — 197
Vocabulary, British science students — 379
Voice recording, Visual — 410
Voyager program — 57
Voysey, Reginald — 610
Vsekhsvyatskii, S. K. — 160

W

WHO, Smallpox — 568
WHO research, Epidemiology — 130
Wagner, Harold E. — 383
Wahi, P. N. — 495
Wait, James R. — 136
Wald, George — 437
Walker, G. H. — 221
Walker, Gordon — 319
Wall paneling — 22
Wallace, George B. — 476
Wallace, Robert A. — 348
Walton, E. T. S. — 349
War, Anthropologists on 583
War, Genes unchanged — 612
War, Structuring force — 557
Ward, William W. — 177
Warfare, Ecology — 510
Warmings, Sudden atmospheric — 631
Washkansky, Louis — 581
Wasti, S. M. K. — 403
Watch oil, Bacteria — 71
Water, Australia — 204
Water, Condensed — 332
Water quality standards — 34
Way, Stewart — 602
Weather forecasters, Lack of data — 164
Weidenreich, Franz — 593
Weight loss — 379
Weightlessness tests — 311
Weir, J. R. Jr. — 132
Weischer, Bernard — 108
Weiss, Herbert G. — 440
Welfare recipients, Birth Control — 344
Wen-hao, Wong — 593
Wentz, Arthur — 250
Westinghouse scholarships — 253
Weston, Ill., Housing — 56
Weston accelerator — 295, 323, 354
Wharton, J. C. — 178
Wheel assembly, Star-shaped — 458
Wheel balancer, Automatic — 622
Wheeler, John — 53
Whitcomb, Milton — 102
White, Donald M. — 319
White, Robert J. — 370
White camouflage — 331
Whitmore, Frank C. — 37
Whooping cranes — 515
Wick, W. E. — 469
Wickham, G. G. — 20
Wickramashinghe, N. C. 375
Wicks controlling perspiration — 35
Wiesner, Jerome B. 350, 614
Wildlife, Importation — 443
Williams, Allen E. — 74
Williams, Carroll M. — 163, 197, 376
Williams, Esther M. — 287
Williams, Roger J. — 467
Wilkes, Donald F. — 415
Wilkinson, Robert T. — 180
Wilson, A. B. Kinnier — 495
Wilson, Edward O. — 276
Wilson, Robert R. — 295, 354
Winds, Profile — 335
Winds, Trans-Atlantic — 572
Winkler, Joseph — 335
Wirtz, W. Willard — 33
Wittwer, Sylvan H. — 417
Wolff, Charles — 154
Wolfle, Dael — 157
Wood, William — 471
Woodrow, C. E. — 540
Wool-dyeing, Rapid — 423
Wooley, (Sir) Richard — 421
Womb conditions, Twins 95
Women, Dreaming cycles 562
Woodberry, Jim — 138
Woodlands into farms — 443
Wootten, Carl B. — 518
World Health Organization — 115, 130
Worzel, Lamar — 332
Wright, Edward M. — 146
Wrist slashers — 496
Wurtman, Richard — 47, 380
Wynn, Ralph M. — 20
Wynn, Victor — 167

X

X-15, Grounded — 566
X-ray, Gastrointestinal — 299
X-ray astronomy — 14, 77
X-ray crystallography, Computers — 184
X-ray intensifier — 527
X-ray source, Centaurus XR-2 — 375
X-ray source, Crux — 53
X-ray sources, Known — 78
X-ray sources, Two groups 15
X-ray stars — 14, 117, 611
X-ray tube, Disposable 565
X-rays, Esophagus — 422
X-rays, Overexposure 253
Xanthinuria, Gout — 571
Xanthate, Rubber — 538
Xerox transparencies — 286

Y

Yadin, Yigel — 493
Yamamoto, Robert T. — 304
Yandell, Calvin L. — 215
Yanez, Augustin — 372
Yellow bullheads — 515
Yellowstone, Explosions 572
Yemenite babies — 541
Yerger, John F. — 23
Yolles, Stanley F. — 107, 397
Young, Richard J. — 554
Youngken, Heber Jr. — 249
Yuan, Luke C. L. — 279
Yucatan, Plant disease — 403
Yukawa, Hideki — 329
Yur'yev, Z. I. — 153

Z

Zackay, Victor F. — 177
Zellweger, Hans — 562
Ziegler, Charles A. — 383
Zirin, Harold — 354
Zissell, R. E. — 81
Zubieta, Rafael E. — 300
Zweig, George — 326
Zwicky, Fritz — 104